

REMARKS/ARGUMENTS

Claims 1, 3, 4, 6, 8, 9, 11, 13 and 14 are active in this application. Support for the amendment to Claim 1 is found in Claims 2 and 5. Support for the amendment to Claim 6 is found in Claims 7 and 10. Support for the amendment to Claim 11 is found in Claims 12 and 15. No new matter is added by these amendments. Favorable reconsideration is requested.

Applicants wish to thank Examiner Marschel for the courteous discussion held with the Applicants' undersigned representative on February 11, 2004. During the discussion the claim amendments submitted herein were discussed with respect to the rejections raised in the Office Action. In short, the Examiner agreed that these amendments appear to overcome the rejections/objections of record.

With respect to the rejection under 35 U.S.C. § 102(b) over Shields, this rejection is addressed by amendment. In particular, Applicants note that Claims 5, 10 and 15 were not rejected under this heading and the limitations of these claims have been incorporated into Claims 1, 6 and 11, respectively. Accordingly, withdrawal of this ground of rejection is requested.

The rejection of Claims 1-15 under 35 U.S.C. § 101 is respectfully traversed. As amended herein, the claims include a displaying portion (see Claim 1) a displaying step (see Claim 6), and a computer program for a displaying step (see Claim 11). Accordingly, withdrawal of this ground of rejection is requested.

To the rejection of Claims 1-10 under 35 U.S.C. § 112, second paragraph it was agreed during the discussion that the portion and step for amplified sequence recognition as in the currently amended claim set would address this ground of rejection. Accordingly, withdrawal of this ground of rejection is requested.

It is also agreed during the discussion that the title in view of the amended claim was sufficient to describe the claimed invention.

Finally, Applicants request a returned signed copy of the PTO form 1449 which was submitted as an information disclosure statement on February 3, 2003. For convenience, a copy of the Information Disclosure Statement without the references is attached.

Applicants submit that the present application is ready for allowance. Early notification of such allowance is requested.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Norman F. Oblon
Attorney of Record
Registration No. 24,618

Customer Number
22850

Tel: (703) 413-3000
Fax: (703) 413 -2220
(OSMMN 08/03)

Daniel J. Pereira, Ph.D.
Registration No. 45,518